Protocol: Transformation

1. Add 2 µl of ice cold DNA to 50 µl (1 vial) of competent cell on ice.
2. Incubate on ice for 30 min.
3. Heat shock cells by placing tubes in 42°C water bath for 45 seconds.
4. Place cells on ice for 2 min.
5. Add cells to 250 µl LB medium (in a 15 ml or 50 ml tube)
6. Shake for 1 hour at 37°C
7. Place at least 50 µl & 200 µl of cells on separate selective nutrient agar plates. Spread 50 µl plate first and then spread the 200 µl plate.
8. Let the cells grow overnight.
9. Next day pick a colony into 2 ml selective LB. Can use 10 ml of LB at times to increase the cell sample.

9. Incubate at 37°C in shaker for 16 hours.

LB medium: lysogeny broth